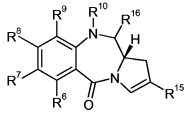
AMENDMENTS TO THE CLAIMS

1-13. (Cancelled)

14. (Currently amended) A compound of formula **III**:



III

or a pharmaceutically acceptable salt thereof, wherein:

R^6 and R^9 are independently selected from H, R, OH, OR, SH, SR, NH_2, NHR, NRR', nitro, Me_3Sn and halo;

R and R' are independently selected from optionally substituted C_{1-12} alkyl, C_{3-20} heterocyclyl and C_{5-20} aryl groups;

the compound being a dimer with each monomer being of formula (**III**), where the R^8 groups of each monomer form together a dimer bridge having the formula -X-R"-X- linking the monomers, where R" is a C_{3-12} alkylene group, which chain may be interrupted by one or more heteroatoms and/or aromatic rings, and each X is independently selected from O, S, or NH, and R^7 is selected from H, R, OH, OR, SH, SR, NH_2, NHR, NRR', nitro, Me_3Sn and halo,

or any pair of adjacent groups from R^6 to R^9 together form a group $-O-(CH_2)_p-O-$, where p is 1 or 2;

either R^{10} and R^{16} together form a double bond between N10 and C11, or R^{10} is H and R^{16} is OH~~, and~~ ;

R^{15} is an optionally substituted C_{5-20} aryl group,

wherein the ~~optionally~~ optional substituents are independently selected from the group consisting of C_{1-12} alkyl, C_{3-12} cycloalkyl, C_{3-20} heterocyclyl, C_{5-20} aryl, halo, hydroxyl, ~~ether~~ $-OR^1$ wherein R^1 is a C_{1-7} alkyl group or C_{3-20} heterocyclyl group or C_{5-10} aryl group, alkoxy, ~~acetal~~ $-CH(OR^1)(OR^2)$ wherein R^1 is as defined above and R^2 is independently a C_{1-7} alkyl group or C_{3-20} heterocyclyl group or C_{5-10} aryl group or R^1 and R^2 together with the two oxygen atoms to which they are attached form a heterocyclic ring having from 4 to 8 ring atoms , ~~hemiacetal~~ $-CH(OH)(OR^1)$ wherein R^1 is as defined above, ketal, hemiketal, oxo, thione, imino, formyl, acyl, carboxy, thiocarboxy, thiolocarboxy, ~~imidic acid~~ $-C(=NH)OH$, ~~hydroxamic acid~~ $-C(=NOH)OH$, ~~ester~~ $-C(=O)OR^1$ wherein R^1 is as defined above, acyloxy, oxycarboyloxy, amino, amido,

thioamido, acylamido, aminocarbonyloxy, ureido, guanidine, tetrazolyl, amindino, nitro, nitroso, azido, cyano, isocyano, cyanato, isocyanato, thiocyano, isothiocyano, sulfhydryl, thioether, disulfide, sulfine, sulfone, ~~sulfinic acid~~ $-S(=O)OH$, $-SO_2H$, ~~sulfonic acid~~ $-S(=O)_2OH$, $-SO_3H$, sulfinate, sulfonate, sulfinyloxy, sulfonyloxy, sulfate, sulfamyl, sulfonamide, sulfamino, sulfonamino, sulfinamino, phosphino, phosphor, phosphinyl, phosphono, ~~phosphono ester~~ $-P(=O)(OR^{17})_2$ wherein R^{17} is $-H$ or C_{1-7} alkyl group or C_{3-20} heterocyclyl group or C_{5-20} aryl group, phosphonooxy, ~~phosphonooxy ester~~ $-PO(=O)(OR^{17})_2$ wherein R^{17} is as defined above, ~~phosphorous acid~~ $-OP(OH)_2$, phosphate, phosphoramidite, ~~or~~ and phosphoramidate; and wherein heteroatoms of the heterocyclyl groups and the optional heteroatoms of the alkylene groups are independently selected from the group consisting of N, S, and O.

15. (Previously presented) A compound according to claim 14, wherein the dimer bridge has the formula $-O-(CH_2)_n-O-$ linking the monomers, where n is from 3 to 12.

16. (Previously presented) A compound according to claim 15, wherein n is from 3 to 7.

17. (Previously presented) A compound according to claim 14, wherein R^{10} and R^{16} together form a double bond between N10 and C11.

18. (Previously presented) A compound according to claim 14, wherein R^9 is H.

19. (Previously presented) A compound according to claim 14, wherein R^7 and R^8 are independently selected from H, OH, OR, SH, NH_2, NHR, NRR' and halo.

20. (Canceled)

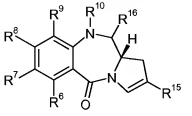
21. (Previously presented) A pharmaceutical composition containing a compound of claim 14, and a pharmaceutically acceptable carrier or diluent.

22. (Canceled)

23. (Currently amended) A method of treatment of chronic myeloid leukemia, comprising administering to a subject in need of treatment a therapeutically-effective amount of a compound of claim 14.

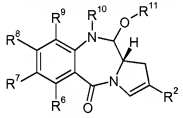
24-29. (Cancelled)

30. (Currently amended) A method of synthesizing ~~synthesising~~ a compound of formula **III**:



III

comprising reacting a compound of formula **I**:



I

with a compound of formula z-R^{15} in a coupling reaction, wherein

R^6 and R^9 are independently selected from H, R, OH, OR, SH, SR, NH_2, NHR, NRR', nitro, Me_3Sn and halo;

R and R' are independently selected from optionally substituted

C_{1-12} alkyl, C_{3-20} heterocyclyl and C_{5-20} aryl groups;

R^7 and R^8 are independently selected from H, R, OH, OR, SH, SR, NH_2, NHR, NRR', nitro, Me_3Sn and halo,

or the compound is a dimer with each monomer being of formula (**I**), where the R^7 groups or R^8 groups of each monomers form together a dimer bridge having the formula -X-R″-X- linking the monomers, where R″ is a C_{3-12} alkylene group, which chain may be interrupted by one or more heteroatoms and/or aromatic rings, and each X is independently selected from O, S, or NH;

or any pair of adjacent groups from R^6 to R^9 together form a group

-O-$(CH_2)_p$-O-, where p is 1 or 2;

R^{10} is a carbamate-based nitrogen protecting group;

R^2 is a labile leaving group;

R^{16} is either O-R^{11}, where R^{11} is an oxygen protecting group, or OH, or R^{10} and R^{16} together form a double bond between N10 and C11;

z-R^{15} is any reactant suitable for a coupling reaction; ~~and~~

R^{15} is an optionally substituted C_{5-20} aryl group,

wherein the ~~optionally~~ optional substituents are independently selected from the group consisting of C_{1-12} alkyl, C_{3-12} cycloalkyl, C_{3-20} heterocyclyl, C_{5-20} aryl, halo, hydroxyl, ~~ether~~ –OR wherein R is a C_{1-7} alkyl group or C_{3-20} heterocyclyl group or C_{5-10} aryl group, alkoxy, ~~acetal~~ –$CH(OR^1)(OR^2)$ wherein R^1 is as defined above and R^2 is independently a C_{1-7} alkyl group or C_{3-20} heterocyclyl group or C_{5-10} aryl group or R^1 and R^2 together with the two oxygen atoms to which they are attached form a heterocyclic ring having from 4 to 8 ring atoms , ~~hemiacetal~~ –$CH(OH)(OR^1)$ wherein R^1 is as defined above, ketal, hemiketal, oxo, thione, imino, formyl, acyl, carboxy, thiocarboxy, thiolocarboxy, ~~imidic acid~~ –C(=NH)OH, ~~hydroxamic acid~~ –C(=NOH)OH, ~~ester~~ –$C(=O)OR^1$ wherein R^1 is as defined above, acyloxy, oxycarboyloxy, amino, amido, thioamido, acylamido, aminocarbonyloxy, ureido, guanidine, tetrazolyl, amindino, nitro, nitroso, azido, cyano, isocyano, cyanato, isocyanato, thiocyano, isothiocyano, sulfhydryl, thioether, disulfide, sulfine, sulfone, ~~sulfinic acid~~ –$S(=O)OH$, –SO_2H, ~~sulfonic acid~~ –$S(=O)_2OH$, –SO_3H, sulfinate, sulfonate, sulfinyloxy, sulfonyloxy, sulfate, sulfamyl, sulfonamide, sulfamino, sulfonamino, sulfinamino, phosphino, phosphor, phosphinyl, phosphono, ~~phosphono ester~~ –$P(=O)(OR^{17})_2$ wherein R^{17} is –H or C_{1-7} alkyl group or C_{3-20} heterocyclyl group or C_{5-20} aryl group, phosphonooxy, ~~phosphonooxy ester~~ –$PO(=O)(OR^{17})_2$ wherein R^{17} is as defined above, ~~phosphorous acid~~ –$OP(OH)_2$, phosphate, phosphoramidite, ~~or~~ and phosphoramidate; and wherein heteroatoms of the heterocyclyl groups and the optional heteroatoms of the alkylene groups are independently selected from the group consisting of N, S, and O.

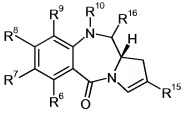
31. (Previously presented) A method according to claim 30, wherein the synthesis of said compound of formula **III** uses a palladium catalysed coupling step.

32. (Previously presented) A method according to claim 31, wherein the palladium catalyst is $Pd(PPh_3)_4$, $Pd(OCOCH_3)_2$, $PdCl_2$ or $Pd(dba)_3$.

33. (Previously presented) A method according to claim 31, wherein the coupling reaction is performed under microwave conditions.

34. (Previously presented) A method according to claim 31, wherein the palladium catalyst is solid supported.

35. (Currently amended) A compound of formula **III**



III

and salts and solvates thereof, wherein:

R^6 and R^9 are independently selected from H, R, OH, OR, SH, SR, NH_2, NHR, NRR', nitro, Me_3Sn and halo;

R and R' are independently selected from optionally substituted C_{1-12} alkyl, C_{3-20} heterocyclyl and C_{5-20} aryl groups;

the compound being a dimer with each monomer being of formula (**III**), where the R^8 groups of each monomer form together a dimer bridge having the formula –X–R″–X– linking the monomers, where R″ is a C_{3-12} alkylene group, which chain may be interrupted by one or more heteroatoms and/or aromatic rings, and each X is independently selected from O, S, or NH, and R^7 is selected from H, R, OH, OR, SH, SR, NH_2, NHR, NRR', nitro, Me_3Sn and halo; or any pair of adjacent groups from R^6 to R^9 together form a group $–O–(CH_2)_p–O–$, where p is 1 or 2;

R^{10} is a carbamate-based nitrogen protecting group;

R^{16} is $–O–R^{11}$, where R^{11} is an oxygen protecting group or H; ~~and~~

R^{15} is an optionally substituted C_{5-20} aryl group,

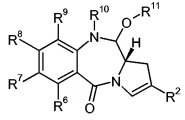
wherein the ~~optionally~~ optional substituents are independently selected from the group consisting of C_{1-12} alkyl, C_{3-12} cycloalkyl, C_{3-20} heterocyclyl, C_{5-20} aryl, halo, hydroxyl, ~~ether~~ –OR wherein R is a C_{1-7} alkyl group or C_{3-20} heterocyclyl group or C_{5-10} aryl group, alkoxy, ~~acetal~~ –$CH(OR^1)(OR^2)$ wherein R^1 is as defined above and R^2 is independently a C_{1-7} alkyl group or C_{3-20} heterocyclyl group or C_{5-10} aryl group or R^1 and R^2 together with the two oxygen atoms to which they are attached form a heterocyclic ring having from 4 to 8 ring atoms , ~~hemiacetal~~ –$CH(OH)(OR^1)$ wherein R^1 is as defined above, ketal, hemiketal, oxo, thione, imino, formyl, acyl, carboxy, thiocarboxy, thiolocarboxy, ~~imidic acid~~ –C(=NH)OH, ~~hydroxamic acid~~ –C(=NOH)OH, ~~ester~~ –C(=O)OR^1 wherein R^1 is as defined above, acyloxy, oxycarboyloxy, amino, amido, thioamido, acylamido, aminocarbonyloxy, ureido, guanidine, tetrazolyl, amindino, nitro, nitroso, azido, cyano, isocyano, cyanato, isocyanato, thiocyano, isothiocyano, sulfhydryl, thioether, disulfide, sulfine, sulfone, ~~sulfinic acid~~ –S(=O)OH, $–SO_2H$, ~~sulfonic acid~~ $–S(=O)_2OH$, $–SO_3H$, sulfinate, sulfonate, sulfinyloxy, sulfonyloxy, sulfate, sulfamyl, sulfonamide, sulfamino, sulfonamino, sulfinamino, phosphino, phosphor, phosphinyl, phosphono, ~~phosphono ester~~ –

$P(=O)(OR^{17})_2$ wherein R^{17} is –H or C_{1-7} alkyl group or C_{3-20} heterocyclyl group or C_{5-20} aryl group, phosphonooxy, ~~phosphonooxy ester~~ $-PO(=O)(OR^{17})_2$ wherein R^{17} is as defined above, ~~phosphorous acid~~ $-OP(OH)_2$, phosphate, phosphoramidite, ~~or~~ and phosphoramidate; and wherein heteroatoms of the heterocyclyl groups and the optional heteroatoms of the alkylene groups are independently selected from the group consisting of N, S, and O.

36. (Previously presented) A compound according to claim 35, wherein R^{10} is Troc.

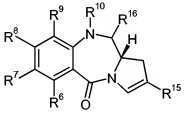
37. (Previously presented) A compound according to claim 35, wherein R^{11} is a silyl oxygen protecting group or THP.

38. (Currently amended) A compound of formula **I**:



I

for use in the synthesis of a compound of formula **III:**



III

wherein:

R^6 and R^9 are independently selected from H, R, OH, OR, SH, SR, NH_2, NHR, NRR', nitro, Me_3Sn and halo;

R and R' are independently selected from optionally substituted

C_{1-12} alkyl, C_{3-20} heterocyclyl and C_{5-20} aryl groups;

R^7 is selected from H, R, OH, OR, SH, SR, NH_2, NHR, NRR', nitro, Me_3Sn and halo,

the compound of formula **III** being dimer with each monomer being of formula **III**, where the R^8 groups of each monomer form together a dimer bridge having the formula –X–R''–X– linking the monomers, where R'' is a C_{3-12} alkylene group, which chain may be interrupted by one or more heteroatoms and/or aromatic rings, and each X is independently selected from O, S, or NH; or any pair of adjacent groups from R^6 to R^9 together form a group $–O–(CH_2)_p–O–$, where p is 1 or 2;

R^{10} is a carbamate-based nitrogen protecting group, or either R^{10} and R^{16} together form a double bond between N10 and C11, or R^{10} is H and R^{16} is OH;

R^{11} is an oxygen protecting group or H;

R^2 is a labile leaving group; ~~and~~

R^{15} is an optionally substituted C_{5-20} aryl group,

wherein the ~~optionally~~ optional substituents are independently selected from the group consisting of C_{1-12} alkyl, C_{3-12} cycloalkyl, C_{3-20} heterocyclyl, C_{5-20} aryl, halo, hydroxyl, ~~ether~~ –OR wherein R is a C_{1-7} alkyl group or C_{3-20} heterocyclyl group or C_{5-10} aryl group, alkoxy, ~~acetal~~ –$CH(OR^1)(OR^2)$ wherein R^1 is as defined above and R^2 is independently a C_{1-7} alkyl group or C_{3-20} heterocyclyl group or C_{5-10} aryl group or R^1 and R^2 together with the two oxygen atoms to which they are attached form a heterocyclic ring having from 4 to 8 ring atoms , ~~hemiacetal~~ –$CH(OH)(OR^1)$ wherein R^1 is as defined above, ketal, hemiketal, oxo, thione, imino, formyl, acyl, carboxy, thiocarboxy, thiolocarboxy, ~~imidic acid~~ –C(=NH)OH, ~~hydroxamic acid~~ –C(=NOH)OH, ~~ester~~ –C(=O)OR^1 wherein R^1 is as defined above, acyloxy, oxycarboyloxy, amino, amido, thioamido, acylamido, aminocarbonyloxy, ureido, guanidine, tetrazolyl, amindino, nitro, nitroso, azido, cyano, isocyano, cyanato, isocyanato, thiocyano, isothiocyano, sulfhydryl, thioether, disulfide, sulfine, sulfone, ~~sulfinic acid~~ –S(=O)OH, $–SO_2H$, ~~sulfonic acid~~ $–S(=O)_2OH$, $–SO_3H$, sulfinate, sulfonate, sulfinyloxy, sulfonyloxy, sulfate, sulfamyl, sulfonamide, sulfamino, sulfonamino, sulfinamino, phosphino, phosphor, phosphinyl, phosphono, ~~phosphono ester~~ –$P(=O)(OR^{17})_2$ wherein R^{17} is –H or C_{1-7} alkyl group or C_{3-20} heterocyclyl group or C_{5-20} aryl group, phosphonooxy, ~~phosphonooxy ester~~ $–PO(=O)(OR^{17})_2$ wherein R^{17} is as defined above, ~~phosphorous acid~~ $–OP(OH)_2$, phosphate, phosphoramidite, ~~or~~ and phosphoramidate; and wherein heteroatoms of the heterocyclyl groups and the optional heteroatoms of the alkylene groups are independently selected from the group consisting of N, S, and O.

39. (Previously presented) A compound according to claim 19, wherein R^7 is OR.

40. (Previously presented) A compound according to claim 19, wherein R^7 is OMe.

41. (Previously presented) A compound according to claims 14 wherein R^{15} is a C_{5-20} aryl group optionally substituted with a substituent selected from the group consisting of R, OH, OR, NH_2, NHR, NRR', CN, C(=O)H, C(=O)OH and halo.

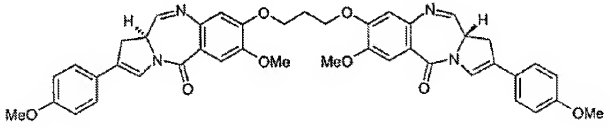
42. (Previously presented) A compound according to claim 14, wherein R^{15} is a C_{5-20} aryl group substituted by OR.

43. (Previously presented) A compound according to claim 14, wherein R^{15} is a C_{5-20} aryl group substituted by OMe.

44. (Previously presented) A compound according to claim 14, wherein R^6 is H, R^7 is OMe, X is O, R" is $(CH_2)_3$, R^9 is H, R^{10} and R^{16} together form a double bond between N10 and C11, and R^{15} is para-methoxyphenyl.

45. (New) The compound of claim 14, wherein R" is a C_{3-12} alkylene group interrupted by one or more heteroatoms, wherein the one or more heteroatoms are independently selected from the group consisting of O, S, and N.

46. (New) A compound of the following formula:



or a pharmaceutically acceptable salt thereof.

47. (New) The compound of claim 14, wherein R and R' are unsubstituted.

48. (New) The compound of claim 14, wherein R^{15} is an unsubstituted C_{5-20} aryl group.

49. (New) The compound of claim 14, wherein R^{15} is a singly substituted C_{5-20} aryl group.